

Calculation of elastic-plastic deformations by FEM

Sultanov L.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. The article is devoted to elasto-plastic analysis for finite deformations, large displacements and rotations. An incremental method is used. The stressed state is represented by Cauchy stress and objective Jaumann rate of Cauchy stress. The von Mises yield criterion and radial return method are applied.

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